

REQUIREMENTS FOR GLAZING OF HAZARDOUS LOCATIONS

For safety in locations where the glazing is subject to regular or recurrent exposure to accidental human impact such as in exit and entrance doors and fixed-glazed panels adjacent to such doors where they may be mistaken for means of ingress or egress, patio-type sliding glass doors, storm doors, shower doors and tub enclosures, the glazing shall meet the requirements set forth in the following Tables No. 1 and No. 2 or by comparative tests shall be proven to produce equivalent performance.

Glazing in those fixed-glazed panels which, because of their location away from the normal flow-pattern of traffic will not be subject to regular or recurrent exposure to accidental human impact, or where the glazing sill is eighteen (18) inches or more from the finished floor, or where the least dimension of the glazing material is less than eighteen (18) inches, are exempt.

TABLE NO. 1

Glazing in the following Specific Hazardous Location shall meet the following requirements:		
Specific Hazardous Locations	Size of Individual Glazed Area	Requirements ^{1, 2}
Glazing in exit doors	Over 6 sq. ft.	Glazing shall pass the test requirements of USAS Z97.1-1966 if not protected by a protective grille ³ to-be firmly attached to stiles on each exposed side.
Glazing in fixed-glazed panels which may be mistaken for means of egress or ingress	Over 6 sq. ft.	Glazing shall pass the test requirements of USAS Z97.1-1966 if not protected by a protective grille ³ to-be firmly attached to stiles on each exposed side.
Glazing in patio type sliding doors (Both fixed and sliding panels)	Over 6 sq. ft.	Glazing shall pass the test requirements of USAS Z97.1-1966.
Glazing in storm doors	Over 2 sq. ft.	Glazing shall pass the test requirements of USAS Z97.1-1966 if not protected by a protective grille firmly attached to stiles on each exposed side.
Glass in all unframed doors (Swinging)	All sizes	Shall be fully-tempered glass and pass the test requirements of USAS Z97.1-1966.
Glazing in shower doors and tub enclosures: Obscure wire glass, Transparent wire glass or fully-tempered glass or laminated glass or transparent rigid plastic	All sizes	Shall pass the test requirements of USAS Z97.1-1966.

TABLE NO. 2

Specific Glazing Materials when used in hazardous areas subject to human impact loads shall meet the following requirements:

Glazing Materials	Size of Individual Glazed Area	Requirements
(a) <u>Annealed Glass</u> : ^{1, 2}		
(1) Annealed glass (Regular plate, float, sheet, rolled or obscure)	Over 6 sq. ft.	Not less than 3/16" nominal thickness. Each glazed area must be protected by protective grille ³ which is to be firmly attached to stiles on each exposed side.
(2) Annealed glass (Regular plate, float, sheet, rolled, or obscure) surface sandblasted, etched or otherwise depreciated	Over 6 sq. ft.	Not less than 7/32" nominal thickness, Each glazed area must be protected by protective grille ³ firmly attached to stiles on each exposed side.
(b) <u>Safety Glazing Material</u> ¹		
(1) Fully-tempered glass	All Sizes	Shall pass the test requirements of USAS Z97.1-1966.
(2) Laminated glass	All sizes	Shall pass the test requirements of USAS Z97.1-1966.
(3) Wired glasses: Obscure, patterned Surface or transparent	All Sizes	Shall pass the test requirements of USAS Z97.1-1966.
(4) Transparent rigid plastic	All Sizes	Shall pass the test requirements of USAS Z97.1-1966.

NOTES:

- ¹ All glass must comply with Federal Specification DD-G-451c.
- ² Annealed glass less than single strength (SS) in thickness shall not be used. If short dimension is larger than twenty-four (24) inches, annealed glass must be double strength (DS) or thicker.
- ³ Shall be constructed and attached in such a manner so as to limit or prevent human impact from being delivered to glass surface and extend to a height of at least 42-inches from the floor level. Building owners and tenants shall maintain protective grilles in safe condition at all times.